Performance Data Sheet

RGA5471BXV

General Information

Model	RGA5471BXV	**Refrigerant**	R-410A
Test Condition	ARI	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2310	2350					
	Watts	399	425					
	Amps	1.65	1.74					
	Lb/h	28.2	29.4					
-10	Btu/h	2690	2670	2650				
	Watts	409	438	468				
	Amps	1.68	1.79	1.90				
	Lb/h	32.3	33.3	34.3				
-5	Btu/h	3110	3030	2960	2880			
	Watts	417	449	483	516			
	Amps	1.70	1.82	1.95	2.07			
	Lb/h	37.0	37.7	38.4	39.1			
0	Btu/h	3580	3450	3320	3200	3070		
	Watts	423	459	495	532	570		
	Amps	1.72	1.85	1.99	2.12	2.26		
	Lb/h	42.2	42.6	43.0	43.4	43.8		
5	Btu/h	4100	3920	3740	3560	3370		
	Watts	426	466	506	547	588		
	Amps	1.73	1.88	2.02	2.17	2.33		
	Lb/h	47.9	48.0	48.1	48.3	48.4		
10	Btu/h	4680	4440	4210	3970	3730	3490	3250
	Watts	428	471	515	559	603	649	695
	Amps	1.73	1.89	2.05	2.21	2.38	2.55	2.72
	Lb/h	54.2	54.0	53.8	53.7	53.5	53.3	53.1
15	Btu/h	5300	5010	4720	4430	4140	3850	3550
	Watts	427	474	521	569	617	666	715
	Amps	1.72	1.90	2.07	2.25	2.43	2.61	2.79
	Lb/h	61.0	60.5	60.1	59.6	59.1	58.6	58.2
20	Btu/h	5980	5640	5290	4950	4600	4250	3900
	Watts	424	475	525	577	628	681	734
	Amps	1.71	1.90	2.09	2.27	2.47	2.66	2.86
	Lb/h	68.5	67.7	66.9	66.1	65.3	64.5	63.8

25	Btu/h	6720	6320	5920	5520	5110	4710	4310
	Watts	419	473	528	583	638	694	750
	Amps	1.69	1.89	2.09	2.29	2.50	2.71	2.92
	Lb/h	76.6	75.5	74.3	73.2	72.1	71.0	69.9
30	Btu/h	7510	7050	6590	6140	5680	5220	4760
	Watts	412	470	528	586	645	705	765
	Amps	1.66	1.87	2.09	2.31	2.52	2.74	2.97
	Lb/h	85.3	83.9	82.4	80.9	79.5	78.1	76.6
35	Btu/h	8350	7840	7320	6810	6300	5790	5270
	Watts	403	464	526	588	650	713	777
	Amps	1.62	1.85	2.08	2.31	2.54	2.77	3.01
	Lb/h	94.7	92.9	91.1	89.3	87.5	85.7	84.0
40	Btu/h	9250	8680	8110	7540	6970	6400	5830
	Watts	391	456	522	588	654	720	788
	Amps	1.57	1.82	2.06	2.30	2.55	2.80	3.05
	Lb/h	105	103	100	98.3	96.1	94.0	91.9
45	Btu/h	10200	9580	8950	8330	7700	7070	6450
	Watts	377	446	515	585	655	725	796
	Amps	1.52	1.78	2.03	2.29	2.55	2.81	3.08
	Lb/h	116	113	110	108	105	103	101
50	Btu/h	11200	10500	9850	9160	8480	7800	7120
	Watts	361	434	507	580	654	728	802
	Amps	1.46	1.73	2.00	2.27	2.55	2.82	3.10
	Lb/h	127	124	121	118	115	113	110
55	Btu/h	12300	11500	10800	10100	9320	8580	7840
	Watts	343	420	496	573	651	728	807
	Amps	1.39	1.67	1.96	2.25	2.53	2.82	3.11
	Lb/h	139	136	133	129	126	123	120

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.567928E+03	1.408550E+02	6.843614E-01	3.862557E+01
C2	1.870371E+02	-4.927599E+00	-1.945199E-02	1.579137E+00
C3	-1.239783E+01	3.535898E+00	1.301240E-02	4.462727E-02
C4	1.082817E+00	-4.713378E-02	-1.696510E-04	1.258933E-02
C5	-1.109217E+00	7.564110E-02	2.836897E-04	-6.475665E-03
C6	3.036270E-03	-1.219285E-03	-4.630742E-06	9.312946E-06
C7	7.693020E-04	-1.593414E-05	-7.609213E-08	2.677839E-05
C8	-7.124094E-04	5.858805E-05	2.205416E-07	-2.139585E-05
C9	1.824693E-04	-2.988430E-05	-1.089672E-07	4.334445E-06
C10	-3.406369E-05	1.304057E-05	4.900515E-08	-1.791900E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature